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0590  
1031

0570  
0724

0420/OIPE  
0590

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/881,490

DATE: 10/18/2001  
TIME: 09:33:23

Input Set : N:\Crf3\RULE60\09881490.txt  
Output Set: N:\CRF3\10182004\I881490.raw

SEQUENCE LISTING

3 (1) GENERAL INFORMATION:  
5 (i) APPLICANT: Little II, Roger G.  
6 Lim, Edward  
7 Fadem, Mitchell B.  
10 (ii) TITLE OF INVENTION: Anti-Fungal Peptides  
12 (iii) NUMBER OF SEQUENCES: 211  
14 (iv) CORRESPONDENCE ADDRESS:  
15 (A) ADDRESSEE: McAndrews, Held & Malloy, Ltd.  
16 (B) STREET: 500 West Madison Street, 34th FloorDrive  
17 (C) CITY: Chicago  
18 (D) STATE: Illinois  
19 (E) COUNTRY: United States of America  
20 (F) ZIP: 60661  
22 (v) COMPUTER READABLE FORM:  
23 (A) MEDIUM TYPE: Floppy disk  
24 (B) COMPUTER: IBM PC compatible  
25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25  
28 (vi) CURRENT APPLICATION DATA:  
C--> 29 (A) APPLICATION NUMBER: US/09/881,490  
C--> 30 (B) FILING DATE: 14-Jun-2001  
59 (vii) PRIOR APPLICATION DATA:  
33 (A) APPLICATION NUMBER: 09/119,858  
34 (B) FILING DATE:  
36 (A) APPLICATION NUMBER: 08/372,105  
37 (B) FILING DATE: 13-JAN-95  
40 (A) APPLICATION NUMBER: 08/306,473  
41 (B) FILING DATE: 15-SEP-94  
44 (A) APPLICATION NUMBER: 08/273,540  
45 (B) FILING DATE: 11-JUL-94  
48 (A) APPLICATION NUMBER: 08/209,762  
49 (B) FILING DATE: 11-MAR-94  
52 (A) APPLICATION NUMBER: 08/183,222  
53 (B) FILING DATE: 14-JAN-94  
56 (A) APPLICATION NUMBER: 08/093,202  
57 (B) FILING DATE: 15-JUL-93  
60 (A) APPLICATION NUMBER: 08/030,644  
61 (B) FILING DATE: 12-MAR-93  
63 (viii) ATTORNEY/AGENT INFORMATION:  
64 (A) NAME: McNicholas, Janet M.  
65 (B) REGISTRATION NUMBER: 32,918  
66 (C) REFERENCE/DOCKET NUMBER: 100-238/11021US01  
68 (ix) TELECOMMUNICATION INFORMATION:  
69 (A) TELEPHONE: 312/707-8889  
70 (B) TELEFAX: 312/707-9155  
71 (C) TELEX: 650 388-1248

ENTERED

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73 (2) INFORMATION FOR SEQ ID NO: 1:
74   (i) SEQUENCE CHARACTERISTICS:
75       (A) LENGTH: 22 amino acids
76       (B) TYPE: amino acid
77       (D) TOPOLOGY: linear
80   (ii) MOLECULE TYPE: peptide
82   (ix) FEATURE:
83       (A) NAME/KEY: misc_feature
84       (D) OTHER INFORMATION: "XMP.5"
86   (ix) FEATURE:
87       (A) NAME/KEY: Modified-site
88       (B) LOCATION: C-Terminus
89       (D) OTHER INFORMATION: /label= Amidation
90 /note= "The C-Terminus is Amidated"
92   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
93       Val His Val His Ile Ser Lys Ser Lys Val Gly Trp Leu Ile Gln Leu
94       1           5           10           15
95       Phe His Lys Lys Ile Glu
96       20
100 (2) INFORMATION FOR SEQ ID NO: 2:
101   (i) SEQUENCE CHARACTERISTICS:
102       (A) LENGTH: 13 amino acids
103       (B) TYPE: amino acid
104       (D) TOPOLOGY: linear
107   (ii) MOLECULE TYPE: peptide
109   (ix) FEATURE:
110       (A) NAME/KEY: misc_feature
111       (D) OTHER INFORMATION: "XMP.11"
113   (ix) FEATURE:
114       (A) NAME/KEY: Modified-site
115       (B) LOCATION: C-Terminus
116       (D) OTHER INFORMATION: /label= Amidation
117 /note= "The C-Terminus is Amidated"
119   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
120       Lys Ser Lys Val Trp Leu Ile Gln Leu Phe His Lys Lys
121       1           5           10
124 (2) INFORMATION FOR SEQ ID NO: 3:
125   (i) SEQUENCE CHARACTERISTICS:
126       (A) LENGTH: 29 amino acids
127       (B) TYPE: amino acid
128       (D) TOPOLOGY: linear
131   (ii) MOLECULE TYPE: peptide
133   (ix) FEATURE:
134       (A) NAME/KEY: misc_feature
135       (D) OTHER INFORMATION: "XMP.12"
137   (ix) FEATURE:
138       (A) NAME/KEY: Modified-site
139       (B) LOCATION: C-Terminus
140       (D) OTHER INFORMATION: /label= Amidation

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141 /note= "The C-Terminus is Amidated"
143 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
145   Ser Val His Val His Ile Ser Lys Ser Lys Val Gly Trp Leu Ile Gln
146   1             5             10             15
148   Leu Phe His Lys Lys Ile Glu Ser Ala Leu Arg Asn Lys
149             20             25
151 (2) INFORMATION FOR SEQ ID NO: 4:
153 (i) SEQUENCE CHARACTERISTICS:
154 (A) LENGTH: 14 amino acids
155 (B) TYPE: amino acid
156 (D) TOPOLOGY: linear
158 (ii) MOLECULE TYPE: peptide
160 (ix) FEATURE:
161 (A) NAME/KEY: misc_feature
162 (D) OTHER INFORMATION: "XMP.13"
164 (ix) FEATURE:
165 (A) NAME/KEY: Modified-site
166 (B) LOCATION: C-Terminus
167 (D) OTHER INFORMATION: /label= Amidation
168 /note= "The C-Terminus is Amidated"
170 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
172   Lys Ser Lys Val Gly Trp Leu Ile Gln Leu Phe His Lys Lys
173   1             5             10
175 (2) INFORMATION FOR SEQ ID NO: 5:
177 (i) SEQUENCE CHARACTERISTICS:
178 (A) LENGTH: 28 amino acids
179 (B) TYPE: amino acid
180 (D) TOPOLOGY: linear
182 (ii) MOLECULE TYPE: peptide
184 (ix) FEATURE:
185 (A) NAME/KEY: misc_feature
186 (D) OTHER INFORMATION: "XMP.29"
188 (ix) FEATURE:
189 (A) NAME/KEY: Modified-site
190 (B) LOCATION: C-Terminus
191 (D) OTHER INFORMATION: /label= Amidation
192 /note= "The C-Terminus is Amidated"
195 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
197   Lys Ser Lys Val Gly Trp Leu Ile Gln Leu Phe His Lys Lys Lys Ser
198   1             5             10             15
200   Lys Val Gly Trp Leu Ile Gln Leu Phe His Lys Lys
201             20             25
203 (2) INFORMATION FOR SEQ ID NO: 6:
205 (i) SEQUENCE CHARACTERISTICS:
206 (A) LENGTH: 14 amino acids
207 (B) TYPE: amino acid
208 (D) TOPOLOGY: linear
210 (ii) MOLECULE TYPE: peptide
212 (ix) FEATURE:

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213      (A) NAME/KEY: misc_feature
214      (D) OTHER INFORMATION: "XMP.31"
216      (ix) FEATURE:
217          (A) NAME/KEY: Modified-site
218          (B) LOCATION: C-Terminus
219          (D) OTHER INFORMATION: /label= Amidation
220 /note= "The C-Terminus is Amidated"
222      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
224      Ala Ser Lys Val Gly Trp Leu Ile Gln Leu Phe His Lys Lys
225      1          5          10
227 (2) INFORMATION FOR SEQ ID NO: 7:
229      (i) SEQUENCE CHARACTERISTICS:
230          (A) LENGTH: 14 amino acids
231          (B) TYPE: amino acid
232          (D) TOPOLOGY: linear
234      (ii) MOLECULE TYPE: peptide
236      (ix) FEATURE:
237          (A) NAME/KEY: misc_feature
238          (D) OTHER INFORMATION: "XMP.32"
240      (ix) FEATURE:
241          (A) NAME/KEY: Modified-site
242          (B) LOCATION: C-Terminus
243          (D) OTHER INFORMATION: /label= Amidation
244 /note= "The C-Terminus is Amidated"
246      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
248      Lys Ala Lys Val Gly Trp Leu Ile Gln Leu Phe His Lys Lys
249      1          5          10
251 (2) INFORMATION FOR SEQ ID NO: 8:
253      (i) SEQUENCE CHARACTERISTICS:
254          (A) LENGTH: 14 amino acids
255          (B) TYPE: amino acid
256          (D) TOPOLOGY: linear
258      (ii) MOLECULE TYPE: peptide
260      (ix) FEATURE:
261          (A) NAME/KEY: misc_feature
262          (D) OTHER INFORMATION: "XMP.33"
264      (ix) FEATURE:
265          (A) NAME/KEY: Modified-site
266          (B) LOCATION: C-Terminus
267          (D) OTHER INFORMATION: /label= Amidation
268 /note= "The C-Terminus is Amidated"
270      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
272      Lys Ser Ala Val Gly Trp Leu Ile Gln Leu Phe His Lys Lys
273      1          5          10
275 (2) INFORMATION FOR SEQ ID NO: 9:
277      (i) SEQUENCE CHARACTERISTICS:
278          (A) LENGTH: 14 amino acids
279          (B) TYPE: amino acid
280          (D) TOPOLOGY: linear

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282      (ii) MOLECULE TYPE: peptide
284      (ix) FEATURE:
285          (A) NAME/KEY: misc_feature
286          (D) OTHER INFORMATION: "XMP.34"
288      (ix) FEATURE:
289          (A) NAME/KEY: Modified-site
290          (B) LOCATION: C-Terminus
291          (D) OTHER INFORMATION: /label= Amidation
292 /note= "The C-Terminus is Amidated"
294      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
296      Lys Ser Lys Ala Gly Trp Leu Ile Gln Leu Phe His Lys Lys
297      1          5          10
299 (2) INFORMATION FOR SEQ ID NO: 10:
301      (i) SEQUENCE CHARACTERISTICS:
302          (A) LENGTH: 14 amino acids
303          (B) TYPE: amino acid
304          (D) TOPOLOGY: linear
306      (ii) MOLECULE TYPE: peptide
308      (ix) FEATURE:
309          (A) NAME/KEY: misc_feature
310          (D) OTHER INFORMATION: "XMP.35"
312      (ix) FEATURE:
313          (A) NAME/KEY: Modified-site
314          (B) LOCATION: C-Terminus
315          (D) OTHER INFORMATION: /label= Amidation
316 /note= "The C-Terminus is Amidated"
318      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
320      Lys Ser Lys Val Ala Trp Leu Ile Gln Leu Phe His Lys Lys
321      1          5          10
323 (2) INFORMATION FOR SEQ ID NO: 11:
325      (i) SEQUENCE CHARACTERISTICS:
326          (A) LENGTH: 14 amino acids
327          (B) TYPE: amino acid
328          (D) TOPOLOGY: linear
330      (ii) MOLECULE TYPE: peptide
332      (ix) FEATURE:
333          (A) NAME/KEY: misc_feature
334          (D) OTHER INFORMATION: "XMP.36"
336      (ix) FEATURE:
337          (A) NAME/KEY: Modified-site
338          (B) LOCATION: C-Terminus
339          (D) OTHER INFORMATION: /label= Amidation
340 /note= "The C-Terminus is Amidated"
342      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
344      Lys Ser Lys Val Gly Ala Leu Ile Gln Leu Phe His Lys Lys
345      1          5          10
347 (2) INFORMATION FOR SEQ ID NO: 12:
349      (i) SEQUENCE CHARACTERISTICS:
350          (A) LENGTH: 14 amino acids

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VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/881,490

DATE: 10/18/2001  
TIME: 09:33:24

Input Set : N:\Crif3\RULE60\09881490.txt  
Output Set: N:\CRF3\10182001\I881490.raw

L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
L:999 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1029 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1059 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1113 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1143 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1222 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1276 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1306 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1336 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1366 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1396 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1427 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1457 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1607 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1637 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1668 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1674 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1704 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1710 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1788 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1818 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1848 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1854 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1884 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1890 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1920 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1950 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:1980 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
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L:2022 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2052 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2082 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2112 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2118 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2148 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2154 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2184 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2214 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2220 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2250 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2256 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2286 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2316 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2322 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2352 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]

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PATENT APPLICATION: US/09/881,490

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TIME: 09:33:24

Input Set : N:\Crf3\RULE60\09881490.txt

Output Set: N:\CRF3\10182001\I881490.raw

L:2382 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2436 M:220 C: Keyword misspelled or invalid format, [(D) OTHER INFORMATION:]  
L:2699 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95  
L:2729 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96  
L:4563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:169  
L:4593 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:170  
L:5447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:200  
L:5483 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:201  
L:5513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202  
L:5549 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:203